

## ***EPA FINALIZES LONG-TERM 1 ENHANCED SURFACE WATER TREATMENT RULE***

EPA has finalized the Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR). The purposes of the LT1ESWTR are to improve control of microbial pathogens, specifically the protozoan *Cryptosporidium*, in drinking water and address risk trade-offs with disinfection byproducts. The rule was published in the Federal Register, January 14th, 2002.

The rule will require certain public water systems to meet strengthened filtration requirements and also require systems to calculate levels of microbial inactivation to ensure that microbial protection is not jeopardized if systems make changes to comply with requirements of the Stage 1 Disinfectants and Disinfection Byproducts Rule (Stage 1-DBPR). This rule builds upon the framework established for larger systems in the Interim Enhanced Surface Water Treatment Rule (IESWTR).

### **Which public water systems must comply with the rule?**

The LT1ESWTR applies to all public water systems (Subpart H systems) that use surface water or ground water under the direct influence of surface water (GWUDI) and serve < fewer than 10,000 persons. **In Hawaii, the rule is expected to apply to nearly a dozen systems that serve approximately 20,000 people statewide.**

**What does the rule require?** The LT1ESWTR provisions fall into the four following categories:

- 1) **Cryptosporidium Removal**
  - All systems must achieve a 2-log removal (99 percent) of *Cryptosporidium*.
- 2) **Enhanced Filtration Requirements**
  - Filtered systems must comply with strengthened combined filter effluent (CFE) turbidity performance requirements to assure 2-log removal of *Cryptosporidium*; and
  - Conventional and direct filtration systems must continuously monitor the turbidity of individual filters and comply with follow-up activities based on this monitoring.
- 3) **Microbial Inactivation Benchmarking**
  - Systems will be required to develop a profile of microbial inactivation levels unless they perform monitoring which demonstrates their disinfection byproduct levels are less than 80 percent of the maximum contaminant levels (MCLs) established in the Stage 1 DBPR; and
  - Systems considering making a significant change to their disinfection practice must determine their current lowest level of microbial inactivation and consult with the state for approval prior to implementing the change.
- 4) **Other Requirements**
  - Finished water reservoirs for which construction begins 60 days after promulgation of the rule must be covered; and
  - Unfiltered systems must comply with updated watershed control requirements that add *Cryptosporidium* as a pathogen of concern. (Unfiltered systems not allowed in Hawaii.)

These requirements were developed based on the IESWTR, but have been modified to reduce the burden on small systems.

### **How soon will the changes take effect?**

The rule is effective 30 days after publication in the Federal Register; however, each of the requirements has a different compliance date. The table below provides the applicable dates.

#### **RULE REQUIREMENT**

- (1) New reservoirs must be covered
- (2) Systems 500 or greater begin to develop profile
- (3) Systems <500 begin to develop profile
- (4) 2-log *Cryptosporidium* removal
- (5) New CFE Turbidity Limits
- (6) Individual Filter Turbidity Monitoring
- (7) Unfiltered systems must meet updated watershed control requirements (Unfiltered systems not allowed in Hawaii.)

#### **COMPLIANCE DATE**

- 60 days after LT1ESWTR promulgation  
July 1, 2003  
January 1, 2004  
3 years after LT1ESWTR promulgation  
3 years after LT1ESWTR promulgation  
3 years after LT1ESWTR promulgation  
3 years after LT1ESWTR promulgation

### **What is the significance of this rule?**

In 1990, the Science Advisory Board (SAB) cited drinking water contamination as one of the most important environmental risks and indicated that disease-causing microbiological contaminants (i.e., pathogens such as, bacteria, protozoa, and viruses) are probably the greatest remaining health risk management challenge for drinking water suppliers. The final LT1ESWTR addresses this challenge by improving the control of microbiological pathogens such as *Cryptosporidium* in public drinking water systems serving fewer than 10,000 persons. It will also protect the public against increases in risk from such pathogens in cases where systems alter their disinfection practices to meet new disinfection byproduct standards promulgated under the Stage 1 Disinfectants and Disinfection Byproducts Rule (DBPR).

The final LT1ESWTR is part of the larger Microbial and Disinfection Byproducts (M-DBP) cluster of rules. These rules include the IESWTR and the Stage 1 DBPR, which were promulgated on December 16, 1998. Implementing the provisions contained in the LT1ESWTR will provide protections against the potentially lethal microorganism *Cryptosporidium* and *Giardia* to persons served by small public water systems using surface waters. The IESWTR afforded the 165 million people served by large water systems added protection against *Cryptosporidium*. The LT1ESWTR completes this effort by extending protection to the remaining 18.5 million Americans served by smaller public water systems.

### **How will this rule protect public health?**

EPA has determined that the presence of microbiological pathogens in public water supplies is a health concern. If finished water supplies contain microbiological contaminants, illnesses and disease outbreaks may result. Twelve waterborne cryptosporidiosis outbreaks caused by contamination in public water systems were reported to the Center for Disease Control and Prevention between 1984 and 1998. In 1993, *Cryptosporidium* caused more than 400,000 people in Milwaukee, WI, to experience intestinal illness. More than 4,000 were hospitalized and at least 50 deaths were attributed to this cryptosporidiosis outbreak. Other recent cryptosporidiosis outbreaks attributable to public water system contamination occurred in Nevada, Oregon, and Georgia.

The IESWTR set enforceable drinking water treatment technique requirements to reduce the risk of *Cryptosporidium* from surface water for systems serving at least 10,000 persons. The LT1ESWTR extends further this necessary protection from *Cryptosporidium* to communities of fewer than 10,000 persons.

Today's rule for the first time establishes *Cryptosporidium* control requirements for systems serving less than 10,000 persons by requiring a minimum 2-log removal for *Cryptosporidium*. The rule also strengthens filter performance requirements to ensure 2-log *Cryptosporidium* removal, establishes individual filter monitoring to minimize poor performance in individual units, includes *Cryptosporidium* in the definition of GWUDI, and explicitly considers unfiltered system watershed control provisions.

The rule also reflects a commitment to the importance of maintaining existing levels of microbial protection in public water systems as plants take steps to comply with newly applicable DBP standards. Systems considering significant changes to their disinfection practices must first evaluate current levels of *Giardia* inactivation (and virus inactivation if applicable) and consult with their state primacy agency for approval before implementing those changes. Thus, compliance with the provisions of the rule will improve public health protection by reducing the risk of exposure to *Cryptosporidium* in small systems serving fewer than 10,000 people even as those systems begin to take steps to comply with related DBP standards.

### **How much will this rule cost?**

The LT1ESWTR will result in increased costs to public water systems for implementing the components of the rule. States will also incur implementation costs.

The average annual household cost is estimated to be \$6.24 per year. Ninety percent of households will experience costs of less than \$15 per year, and fewer than one percent of households are estimated to incur annual costs of greater than \$120 per year; however, this estimate is conservative because systems with fewer households are likely to choose less costly improvements.

### **What are the benefits of this rule?**

The primary benefits of today's final rule come from reductions in the risk of illness from pathogens in drinking water. In particular, the LT1ESWTR focuses on reducing the risk associated with disinfection-resistant pathogens, such as *Cryptosporidium*. Other pathogens may also be removed more efficiently due to implementation of these provisions. Exposure to other pathogenic protozoa or other waterborne bacterial or viral pathogens is likely to be reduced by the provisions of this rule as well. In addition to preventing illnesses, this rule is expected to have other non-health related benefits. These benefits result from avoiding non-health related costs associated with waterborne disease outbreaks.

### **Is funding available to help systems comply with this rule?**

Since 1996, the Drinking Water State Revolving Loan Fund has made funding available to states which have used the funding to provide loans to help water systems improve their infrastructure. Other federal funds for infrastructure financing are available through the U. S. Department of Housing and Urban Development's Community Development Block Grant Program and the Rural Utilities Service of the U.S. Department of Agriculture. EPA also provides program management funding to states that have primary enforcement responsibility for their drinking water programs through the Public Water Systems Supervision (PWSS) grants program.

### **How did EPA consult with stakeholders in developing this rule?**

EPA began outreach efforts to develop the LT1ESWTR in the summer of 1998 with two public meetings: one in Denver, Colorado and the other in Dallas, Texas. Building on these two public meetings, EPA held a number of additional meetings with stakeholders, trade associations, environmental groups, and representatives of state and local elected officials. Of particular importance to this rule, given its focus on small systems, was valuable input from small entity representatives who were consulted in accordance with the Small Business Regulatory Enforcement Fairness Act (SBREFA). The Small Business Advocacy Review Panel was initiated in April of 1998 and officially convened in August of 1998. Many of the Panel's recommendations are reflected in today's rule.

EPA provided numerous opportunities for stakeholder and public involvement. In June 1999, EPA mailed an informal draft of the LT1ESWTR preamble to the approximately 100 stakeholders who attended either of the public stakeholder meetings. Members of trade associations and the small entity representatives consulted in accordance with SBREFA also received the draft preamble. EPA received valuable suggestions and stakeholder input from 15 state representatives, trade associations, environmental interest groups, and individual stakeholders. EPA proposed the LT1ESWTR on April 10, 2000. During the comment period, the Agency held a public meeting in Washington, DC, on April 14, 2000. Additionally, the proposed rule was presented to industry, state representatives, and the public in nearly 50 meetings across the US, including a May 30, 2000 meeting in Washington, DC, with ten representatives of elected state and local officials. Finally, EPA mailed approximately 200 copies of the proposed rule to stakeholders.

### **Where can the public get more information about this final rule?**

For general information on the LT1ESWTR, contact the Safe Drinking Water Hotline, at (800) 426-4791, or visit the EPA Safewater website, [www.epa.gov/safewater/mdbp/lt1eswtr.html](http://www.epa.gov/safewater/mdbp/lt1eswtr.html). For copies of the *Federal Register* notice of the final regulation or technical fact sheets, contact the Safe Drinking Water Hotline at (800) 426-4791. The Safe Drinking Water Hotline is open Monday through Friday, excluding Federal holidays, from 9:00 a.m. to 5:30 p.m. Eastern Time.

*This article has been presented as an edited version of "Final Long Term 1 Enhanced Surface Water Treatment Rule" Factsheet, EPA 815-F-02-001, EPA-OGWDW, January 2002.*

## **AWWA - HAWAII SECTION WORKSHOP on MARCH 7-8, 2002 "WATER UTILITY SECURITY and THE NEW PUBLIC NOTIFICATION RULE" Pacific Beach Hotel, Marlin Room, 2490 Kalakaua Avenue, Waikiki, Oahu, Hawaii**

Does your organization have a plan in the event of security breach? Security planning and preparation is vital for all water purveyors, public and private, small and large. Representatives from Hawaii State Civil Defense, Hawaii State Department of Health, US EPA and other vital organizations will present a practical workshop tailored to the drinking water industry that will educate water purveyors about security issues and new drinking water regulations.

### **TOPICS**

1. Introduction and overview of security measures state-wide and nationally
2. Potential risks
3. Preparedness – security risk assessment for water utilities
4. Dealing with the Public – Risk communication
5. The roles of the State Department of Health and State Civil Defense
6. Group activity response plan preparation for different scenarios
7. EPA Public Notification rule
8. Other upcoming rules and potential new EPA rules relating to security
9. Federal funding



## **CONTINUING EDUCATION UNITS**

CEUs will be available for certified water treatment facility and distribution system operators. You must sign in and out on the attendance sheet on all days attended to get credit. Certificates of attendance will be distributed after the workshop.

## **WORKSHOP FEE**

The workshop registration fee for members and non-members include attendance at Thursday and Friday's technical sessions, Thursday's lunch and pau hana gathering, and a full breakfast on Friday morning. Non-members will also be allowed to sign up for the workshop and a one-year membership in AWWA for a discounted price of \$139.00<sup>1</sup> for Active membership, or \$90.00<sup>2</sup> for Operations membership. The non-member registration fee without membership is \$75.00.

The fee to attend only the Public Notification training on Friday is \$20.00 and includes breakfast. For those signed up for the full workshop there is no additional fee for the Friday session. There is no separate registration fee for attendance only on Thursday.

## **HOTEL ACCOMMODATIONS**

The workshop will be held at the Pacific Beach Hotel in Waikiki. **Hotel accommodations and reservations are the responsibility of the attendees.** The hotel will hold 30 rooms at reduced rates for workshop attendees for March 7 – 8, 2002, until **February 18**, after which time, the rates will apply to rooms on an as-available basis. Room rates (for single or double occupancy) Run of House are \$89.00 plus 11.41% Hawaii State taxes. To qualify for the special room rate, you must identify yourself as an attendee of the Hawaii Section AWWA workshop. Please contact: Central Reservations (on Oahu) 923-4511 or (toll free) 1-800-367-6060.

## **WATER UTILITY SECURITY AND THE NEW PUBLIC NOTIFICATION RULE WORKSHOP AGENDA** *American Water Works Association, Hawaii Section*

### **Thursday, March 7, 2002 – Water Utility Security** (Pacific Beach Hotel, Marlin Room)

8:30 a.m.	Registration	
9:00 a.m.	Welcome	Ernest Lau, Hawaii Section AWWA Chair
9:15 a.m.	Update on AWWA Initiatives	Ed Tschupp, Kauai Department of Water
10:00 a.m.	What Are The Risks?	Speaker To Be Announced
10:45 a.m.	Break	
11:00 a.m.	How Can We Prepare?	AWWARF Teleconference: Security Risk Assessment for Water Utilities
12:00 p.m.	Lunch, Ahi Room	
1:00 p.m.	Dealing With the Public	Centers for Disease Control: Risk Communication and Bioterrorism
1:15 p.m.	The State Civil Defense Role	Ed Texeira, State Civil Defense
2:00 a.m.	Break	
2:10 a.m.	The State Department of Health Role	Speaker To Be Announced
3:00 p.m.	Terrorism Exercise	
4:15 p.m.	Closing Remarks	
4:30 p.m.	Pau Hana Meet and Greet Gathering, Ahi Room	

### **Friday, March 8, 2002 – The New Public Notification Rule** (Pacific Beach Hotel, Marlin Room)

7:00 a.m.	Breakfast, Ahi Room	
8:00 a.m.	Registration	
8:30 a.m.	Overview of the Requirements of the Public Notification Rule	Barry Pollock, US EPA Region 9 William Wong, State DOH SDWB
10:00 a.m.	Break	
10:15 a.m.	Update on other upcoming Federal Rules	Barry Pollock, US EPA Region 9
11:00 a.m.	Proposed Federal Regulations and Funding on Security	Barry Pollock, US EPA Region 9
12:00 noon	Close of session	

*Schedule is subject to change. Updates will be posted at the Hawaii Section AWWA web site, [www.awwa-hi.org](http://www.awwa-hi.org).*

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<sup>1</sup> For water utility employees, municipal official, public health professional, engineer, scientist, educator, consultant, or other person interested or serving the field of water supply.

<sup>2</sup> For individuals employed by water utilities with 1000 or fewer service connections, or an operator below the supervisory level in larger utilities.

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**REGISTRATION FORM**

**HAWAII SECTION AWWA WORKSHOP  
WATER UTILITY SECURITY AND THE NEW PUBLIC NOTIFICATION RULE  
THURSDAY and FRIDAY, MARCH 7- 8, 2002**

Name(s) \_\_\_\_\_

Organization/Agency \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Please check one: I will be attending

Both Thursday and Friday  
Thursday only  
Friday only

Registration Fee:	Each	Cost	Total
<b>Thursday, 3/7/02 and Friday, 3/8/02 Workshop:</b>			
Member (# _____)		\$50.00	
Non-member w/ 1 year AWWA Active membership		\$139.00	
Non-member w/ 1 year Operations membership		\$90.00	
Non-member		\$75.00	
Friday, 3/8/02 Public Notification Workshop <i>only</i>		\$20.00	
<b>TOTAL</b>			

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Make checks payable to **HAWAII SECTION AWWA**

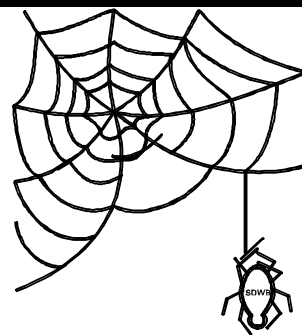
**Registration deadline is March 1, 2002.** Send this form with full prepayment to

AWWA Workshop  
Jacky Takakura  
Maui Department of Water Supply  
P. O. Box 1109  
Wailuku, HI 96793-6109

Questions?    Contact Jacky Takakura:  
Phone        (808) 270-8046  
Fax            (808) 270-7951  
E-mail        [jacky.takakura@co.maui.hi.us](mailto:jacky.takakura@co.maui.hi.us)

*Government employees may submit their registration form first and subsequently remit their registration upon processing of their purchase order.*

The Safe Drinking Water Branch continues to expand its use of the Internet to reach the drinking water and underground injection control program communities. Visit our website at <http://www.hawaii.gov/health/eh/sdwb>

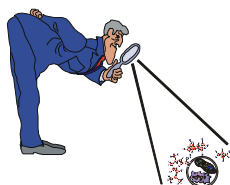


**The following UIC information has been added to the Safe Drinking Water Branch website:**

- (1) Underground Injection Control Permit Application for UIC Permit Renewal.
- (2) Underground Injection Control Permit Application for Change of Operator.
- (3) Underground Injection Control Permit Application -- General Application for New UIC Wells or to Modify an Existing UIC Permit Condition.

**AWWA SATELLITE TELECONFERENCE - SPRING 2002 "The Basics of Waterborne Pathogens"**

Thursday, March 14, 2002, 7:00 a.m. - 10:30 p.m.



If you are a water industry professional who is interested in the basics of waterborne disease and outbreak detection, then you'll want to plan on participating in this all-new program presented live via satellite. Whether you're new to the field or just looking for refresher information, a panel of leading experts will enlighten you with practical solutions and guidelines on how to detect organisms in water and how to treat them. You'll also find out how to make the best decisions for treating problem organisms and what technologies are available.

**A sample of what you'll get from the teleconference:**

- An overview of waterborne pathogens, including aspects of bioterrorism and security-related issues
- An in-depth discussion on the three major groups of pathogens: viruses, protozoa, and bacteria
- A summary of waterborne disease outbreaks, including causes and problems
- An overview of effective treatment and disinfection practices for waterborne pathogens

**Who should participate:**

- Water treatment and distribution operators
- Water utility engineers, supervisors, and managers
- Water quality/production managers
- Laboratory personnel
- Consultants and manufacturers

Join colleagues from across North America for this informative and convenient program. Case studies and question-and-answer sessions will also be included. Take advantage of this outstanding opportunity and register now to participate! There is a registration fee of \$40.00 for AWWA members and \$50.00 for non-members.

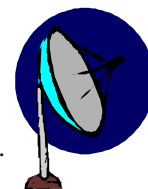
**Learn from a panel of leading experts including:**

- *Jennifer L. Clancy*, Clancy Environmental Consultants (Overview of Microorganisms)
- *David A. Battigelli*, Clancy Environmental Consultants (Viruses)
- *Ed Geldreich*, Consulting Microbiologist (Bacteria)
- *Michael Arrowood*, Centers for Disease Control and Prevention (Protozoa)
- *Christine L. Moe*, Emory University School of Public Health/CDC International Disease Branch (Waterborne Disease Outbreaks)

**TELECONFERENCE LOCATIONS on MARCH 14, 2002 (7:00 am to 10:30 am)**

Please plan on being seated by 6:45 am, teleconference will begin promptly at 7:00 am

- Oahu: Department of Health Laboratory, 2725 Waimano Home Road, Pearl City
- Kauai: Civil Defense Office, County of Kauai, 4396 Rice Street, Lihue
- Maui: Department of Water Supply Baseyard, 614 Palapala Drive, Kahului (attendance limited to 35).
- Hawaii: Department of Health, Environmental Health Facility, Hilo



To register for the satellite teleconference, contact Jacky Takakura (Maui Department of Water Supply) at (808) 270-8046, fax at 270-7951, or e-mail at [jacky.takakura@co.maui.hi.us](mailto:jacky.takakura@co.maui.hi.us)

**AWWA SATELLITE TELECONFERENCE REGISTRATION FORM**  
**THE BASICS OF WATERBORNE PATHOGENS**  
**Thursday, March 14, 2002**  
**7:00 a.m. - 10:30 a.m.**

Choose a location (one only)

<input type="checkbox"/> Oahu Dept. of Health Laboratory 2725 Waimano Home Rd. Pearl City	<input type="checkbox"/> Maui DWS Baseyard, 2 <sup>ND</sup> Floor 614 Palapala Drive Kahului <b>FIRST 35 REGISTRANTS ONLY</b>	<input type="checkbox"/> Hawaii Dept. of Health Hilo 1582 Kamehameha Ave. Hilo	<input type="checkbox"/> Kauai Civil Defense Office County of Kauai 4396 Rice Street Lihue
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Please be at the site by 6:45 a.m. The teleconference will begin promptly at 7:00 a.m.

Attending Teleconference

Name(s)

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Organization/Agency

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Address

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Phone \_\_\_\_\_ Fax \_\_\_\_\_

Registration Fee (includes refreshments) due March 8, 2002

☐ AWWA member    \$40.00    AWWA member # \_\_\_\_\_

☐ Non-member    \$50.00    MAKE CHECKS PAYABLE TO HAWAII SECTION AWWA

Mail registration form and payment to:

Jacky Takakura  
 Maui Department of Water Supply  
 P. O. Box 1109  
 Wailuku, HI 96793-6109

*Government employees may fax registration  
 and subsequently remit payment upon  
 receipt of their purchase order.*

*Fax: (808) 270-7951*

*Phone: (808) 270-8046*

☐ Check here if you are a certified water treatment or distribution system operator and would like CEUs.



# Public Water Systems Operator & Management Training Courses

**Spring 2002: Statewide, one-day workshops  
for professional development and CEU credit**

**Sponsored by:** Hawaii Department of Health, Safe Drinking Water Branch,  
and the U.S. Environmental Protection Agency  
**Presented by:** Rural Community Assistance Corporation

Public drinking water system operations, maintenance, supervisory, and managerial personnel are invited to attend and participate in the one-day professional development workshops scheduled for locations around the state.

Three different workshops are being offered around the state from February through June 2002 for Continuing Education Credits (CEUs) for all water system personnel. Each workshop is designed to provide five training contact hours.

Note: These workshop topics will change after June 2002.

One workshop primarily for supervisory & managerial staff and other interested personnel, will focus on TECHNICAL, MANAGERIAL AND FINANCIAL CAPACITY AND THE WELLHEAD PROTECTION PROGRAM. The emphasis will be placed upon awareness of the Capacity Demonstration and Evaluation procedures and improving TMF capacity in your water system. The Wellhead Protection Program will also be highlighted.



## **Where/when: TMF Capacity and Wellhead Protection Workshop**

Kaunakakai, Kulana 'Oiwī - February 25, 2002 \*

Pearl City, DOH Laboratory Facility - February 26, 2002 \*

Hilo, Environmental Health Facility - March 14, 2002 \*

Lihue, Kauai War Memorial Conv. Hall - April, 2002 \* (TBA)

Wailuku, State Office Building - May, 2002 \* (TBA)

Keahole-Kona, NELHA Conference Rm. - June, 2002 \* (TBA)

A second workshop for water treatment operators and others interested in learning about water treatment will focus on WATER TREATMENT PROCESS MONITORING AND CONTROL. The emphasis will be on effective process monitoring, control and treatment optimization. Automated water treatment monitoring and control options are to be highlighted.



## **Where/when: Treatment Process Monitoring and Control**

Wailuku, State Office Building - March 12, 2002 \*

Pearl City, DOH Laboratory Facility - March 20, 2002 \*

Kaunakakai, Kulana 'Oiwī - April, 2002 \* (TBA)

Hilo, Environmental Health Facility - April, 2002 \* (TBA)

Wailuku, State Office Building - May, 2002 \* (TBA)

Lihue, Kauai War Memorial Conv. Hall - May, 2002 \* (TBA)

Kaunakakai, Kulana 'Oiwī - June, 2002 \* (TBA)

Pearl City, DOH Laboratory Facility - June, 2002 \* (TBA)

A third workshop for distribution system operators, treatment operators and other interested personnel will focus on MONITORING REQUIREMENTS OF THE SAFE DRINKING WATER ACT. The emphasis will be on awareness of required monitoring, sampling frequency, analytical and reporting requirements. Special sampling such as repeat sampling, Phase II & V sampling, and lead & copper sampling will be included.



## **Where/when: MONITORING REQUIREMENTS OF THE S.D.W.A.**

Pearl City, DOH Laboratory Facility - Feb. 27, 2002 \*

Keahole-Kona, NELHA Conference Rm. - March 15, 2002 \*

Wailuku, State Office Building - March 27, 2002 \*

Lihue, Kauai War Memorial Conv. Hall - March 21, 2002 \*

Hilo, Environmental Health Facility - April, 2002 \* (TBA)

Pearl City, DOH Laboratory Facility - April, 2002 \* (TBA)

Wailuku, State Office Building - April, 2002 \* (TBA)

Pearl City, DOH Laboratory Facility - May, 2002 \* (TBA)

Lihue, Kauai War Memorial Conv. Hall - May, 2002 \* (TBA)

Kaunakakai, Kulana 'Oiwī - June, 2002 \* (TBA)

Keahole-Kona, NELHA Conference Rm. - June, 2002 \* (TBA)

Pearl City, DOH Laboratory Facility - June, 2002 \* (TBA)

\* Time: 9:30 a.m. to 3:30 p.m. - all workshops/locations.

Note: TBA - To be announced in a later update of this schedule.



**There is a required, non-refundable registration fee\*\* of \$20.00 for each person to attend each workshop. NOTE: A bank cashier's check or postal money order made payable to the "State of Hawaii," accompanying the registration form below, are the only acceptable methods of payment. Requisitions, purchase orders, personal checks or cash will not be accepted. The deadline for workshop registration is a postmark of not less than ten days before the scheduled date of the particular workshop .**

**Certified Operators: Don't miss the opportunity to earn the CEUs needed before the deadline to reapply for certification sneaks up on you. Register now!**

## RCAC WORKSHOP REGISTRATION FORM

**RCAC Workshop Registration**  
**234 Waianuenue Ave., Suite 107**  
**Hilo, Hawaii 96720**

## CONSUMER CONFIDENCE REPORT DEADLINES AND REQUEST FOR DATA

### This year's CCR deadlines are as follows:

- (1) Water sellers (water systems) must provide monitoring results to water systems which purchase from them by:
- (2) CCRs must be prepared and distributed to customers by:
- (3) Water systems must submit a certification that they have prepared and distributed the CCR to their customers by:

**APRIL 1, 2002**

**JULY 1, 2002**

**OCTOBER 1, 2002**

**IMPORTANT NOTE:** Due to significant increases in staff workloads, the 2001 DOH chemical monitoring data (in electronic format) will not be routinely sent to the water systems (as was done for 1998 and 1999). As was done for the 2000 data, those water systems requiring the 2001 DOH chemical monitoring data (in electronic format) should contact Dan Chang of the Safe Drinking Water Branch at (808) 586-4258 or submit a written request to Safe Drinking Water Branch, 919 Ala Moana Blvd., Room 308, Honolulu, Hawaii 96814 or via fax at (808) 586-4370; to make a request and arrangements for obtaining the data. Your request should be made before March 1, 2002, in order to receive the data by April 1, 2002. Priority will be given to those systems which must meet the April 1, 2002, deadline for water sellers.

Please send your suggestions, ideas, questions or comments to:

**THE WATER SPOT 2002**  
Safe Drinking Water Branch  
State Department of Health  
919 Ala Moana Blvd., Room 308  
Honolulu, Hawaii 96814

OR Fax us at (808) 586-4370, Attn: "THE WATER SPOT 2002"

**SDWB WEB SITE:**  
<http://www.hawaii.gov/health/eh/sdwb>  
**HISWAP WEB SITE:**  
Currently under Construction



**BENJAMIN J. CAYETANO**  
Governor of Hawaii

**BRUCE S. ANDERSON, Ph.D., M.P.H.**  
Director of Health

**GARY GILL**  
Deputy Director for  
Environmental Health

***The Water Spot 2002 (February 2002)***  
Safe Drinking Water Branch  
Environmental Management Division  
Hawai'i Department of Health  
919 Ala Moana Boulevard, Room 308  
Honolulu HI 96814

**004 H 376**